

Claudia Dalmastrì



PERSONAL INFORMATION

Affiliation
 ENEA- Italian National Agency for New Technologies, Energy and Sustainable Economic Development -R.C. Casaccia)
 Department: Department for Sustainability
 Address Via Anguillarese 301, Santa Maria di Galeria 00123 Rome (Italy)

Phone 39 06 30483196 **Mobile** Replace with mobile number

Email claudia.dalmastrì@enea.it

Profile <https://salute.sostenibilita.enea.it/people/claudia-dalmastrì>

Sex F | **Date of birth** 24/01/1962 | **Nationality** Italian

Enterprise	University	EPR
<input type="checkbox"/> Management Level	<input type="checkbox"/> Full professor	<input type="checkbox"/> Research Director and 1st level Technologist / First Researcher and 2nd level Technologist / Principal Investigator
<input type="checkbox"/> Mid-Management Level	<input type="checkbox"/> Associate Professor	<input checked="" type="checkbox"/> Level III Researcher and Technologist
<input type="checkbox"/> Employee / worker level	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator

WORK EXPERIENCE

- 2021-to present **Researcher**
 ENEA C. R. Casaccia
 - Environmental epidemiology
- 2006-2020
 - Soil bacteria populations biodiversity and functions. Microbiome in cystic fibrosis. Assessment of food bacterial contamination. Identification of antibiotic-producing microbial strains
- 1990-1993
 - Plant molecular biology
- 1988-1989
 - Invasive bacterial strains as gene vectors
- Teaching activity as adjunct professor**
 - 2013-2019 - Agro-environmental, food and wine Microbiology, DIBAF, University La Tuscia, Viterbo
 - 2016-2020 - Environmental Microbiology, Master degree, Department of Science, University Roma Tre, Rome
 - 2017-to present - Food Microbiology and Hygiene, Department of Science, University Roma Tre, Rome
- 1986-1987 **Fellowship**
 Eni Chem Anic - Department of Mining Engineering of University of Cagliari
 - Microbial desulphurization of coal: selection of bacterial strains for desulphurization of coal
- 1985 **Contract Researcher**
 Amet sas, Progetto Finalizzato Energetica PFE-CNR-ENEA for Biochemical leaching of bituminous coal with high sulfur content
 - Selection of bacterial strains for desulphurization of coal.

EDUCATION AND TRAINING

2017 **National Scientific Habilitation (ASN)**
 MIUR, Call D.D. 1532/2016, Contest Sector 05/I2: Microbiology. Category II

Replace with EQF (or other) level if relevant

1989 **Training course:** Genetic physiology, of industrial fermentations, University of Bologna (Dip. Chimica Industriale e dei Materiali, Dip. di Ingegneria Chimica e di Processo) and Italian School of Biotechnology, Mantova (Italia), Corso n. 6.30 Regione Lombardia

1986 **Professional Habilitation of Biologist**

1985-1989 **Specialist degree in Microbiology**

Postgraduate Specialization cum laude. University La Sapienza, Rome, Faculty of Medicine and Surgery

1980-1984 **Degree in Biological Sciences**

M.Sc. cum laude. University of Rome La Sapienza

WORK ACTIVITIES

Awards **1984. Degree award**

Degree award in the field of Pasteurian disciplines by Pasteur Institute - Cenci Bolognetti Foundation

Editorial activity **Reviewer for the following indexed scientific journals:**

Amino Acids, Annals of Clinical Microbiology and Antimicrobials, Annals of Microbiology, Applied Soil Ecology, Applied Sciences (MDPI journal), Bioelectromagnetics, Biomedicines, BMC Microbiology, Clinical Microbiology and Infection, Current Microbiology, Ecological Indicators, Environmental Quality Management, Expert Review of Vaccines, Expert Review of Anti-infective Therapy, FEMS Microbiology Ecology, International Journal of Systematic and Evolutionary Microbiology, Journal of Medical Microbiology, Journal of Zhejiang University-SCIENCE B, Microbiological Research, PLOS ONE, The Open Biotechnology Journal, BMC Microbiology, Vaccines; One Health & Implementation Research

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s) English (Listening B2, Writing C1, Reading C1)

Digital skills Microsoft Office package|Cloud tools|Adobe|Video|Conferencing Phylogenetic analysis by MEGA | CLUSTAL W | MLST online database | Data collection platforms (ISTAT and EUROSTAT) | Epidemiology database ENEA |QGIS software

ADDITIONAL INFORMATION

Publications total number of publications in peer-review journals: 55
total Impact Factor (IF) (average IF/paper), H-Index:
total number of citations: 2160
H index: 26
orcid.org/0000-0003-2278-9789

Relevant publications

1. Dalmastrì C., Pirone L., Tabacchioni S., Bevivino A., Chiarini L. 2005. Efficacy of species-specific *recA* PCR tests in the identification of *Burkholderia cepacia* complex environmental isolates. FEMS Microbiol. Lett. 246:39–45. DOI:10.1016/j.femsle.2005.03.041
2. Dalmastrì C., Baldwin A., Tabacchioni S., Bevivino A., Mahenthiralingam E., Chiarini L., Dowson C. 2007. Investigating *Burkholderia cepacia* complex populations recovered from Italian maize rhizosphere by multilocus sequence typing. Env. Microbiol. 9:1632-1639. DOI:10.1111/j.1462-2920.2007.01273.x
3. Baldwin A., Mahenthiralingam E., Drevinek P., Vandamme P., Govan J. R., Wayne D. J., LiPuma J. J., Chiarini L., Dalmastrì C., Henry D. A., Speert D. P., Dowson C. G. 2007. Environmental *Burkholderia cepacia* complex isolates in human infections. Emerg. Inf. Dis. 13:458-461
4. Cesarini S., Bevivino A., Tabacchioni S., Chiarini L., Dalmastrì C. 2009. RecA gene sequence and Multilocus Sequence Typing for species-level resolution of *Burkholderia cepacia* complex isolates.

Let. Appl. Microbiol. 49 (5): 580-588. DOI: 10.1111/j.1472-765X.2009.02709.x
 5. Dalmastrì C., Gastaldo L., Marcone G. L., Binda E., Congiu T., Marinelli F. 2016. Classification of *Nonomuraea* sp. ATCC 39727, an actinomycete that produces the glycopeptide antibiotic A40926, as *Nonomuraea gerenzanensis*. Int. J. Syst. Evol. Microbiol. 66: 912-921, DOI: 10.1099/ijsem.0.000810
 6. Dalmastrì C., Gastaldo L., Berini F., Marinelli F., Marcone G. L. 2020. Description of the bacterial RNA polymerase inhibitor GE23077-producer *Actinomadura* sp. NRRL B-65521T as *Actinomadura lepetitiana* sp. nov. Int. J. Syst. Evol. Microbiol. DOI 10.1099/ijsem.0.004348

Projects Relevant projects

2017. Safe&Smart - Nuove tecnologie abilitanti per la food safety e l'integrità delle filiere agro-alimentari in uno scenario globale. Cluster Agrifood Nazionale, Attività cod. CTN01_00230_248064.
 2019. ES-PA – Energia e Sostenibilità per la Pubblica Amministrazione. PON Governance e Capacità Istituzionale 2014-2020. CUP: I59B17000000007. Activity: 2.4.2.
 2021. MIRRI-IT Microbial Resource Research Infrastructure Italian Node

Other Relevant Information

Membership

•Member of the Italian Society for General Microbiology and Microbial Biotechnology (SIMGBM) and Federation of European Microbiological Societies (FEMS).

Visiting Researcher, 2024

Warwick University, Coventry, CV4 7AL UK.
 Project 'Multilocus sequence typing, rapid identification and gene flux within *Burkholderia cepacia* complex isolates', supported by 'The Wellcome Trust' (UK), Biomedical Research Institute, Biological Sciences, University of Warwick

Tutoring activity

- Supervisor of 11 Degree thesis in Microbiology.
 - Tutoring activity for undergraduate, graduate, PhD and postdoc researchers.

Date Signature

12 February 2024

